

**NOVEL HUMAN DICKKOPF-RELATED PROTEIN AND NUCLEIC ACID
MOLECULES AND USES THEREFOR**

Abstract of the Disclosure

5 Novel Dkk and Dkk-related polypeptides, proteins, and nucleic acid molecules
are disclosed. In addition to isolated, full-length Dkk and Dkk-related proteins, the
invention further provides isolated fusion proteins, antigenic peptides and antibodies.
The invention also provides Dkk and Dkk-related nucleic acid molecules, recombinant
expression vectors containing a nucleic acid molecule of the invention, host cells into
10 which the expression vectors have been introduced and non-human transgenic animals in
which a Dkk and Dkk-related gene has been introduced or disrupted. Diagnostic,
screening and therapeutic methods utilizing compositions of the invention are also
provided.

15

659000 " 20030306